

FULLY INTEGRATED ALL-CMOS AM TRANSMITTER  
WITH AUTOMATIC ANTENNA TUNING

Joseph S. Elder

5

Mohammed D. Islam

Joseph T. Yestrebsky

Abstract of the Disclosure

10 A monolithic AM transmitter is disclosed. An  
external antenna forms part of a resonance network so  
that the antenna resonance point is automatically tuned  
to the transmit frequency. This provides flexibility  
with no added cost to the transmitter. Additionally,  
15 components of the transmitter can be formed on a single  
monolithic integrated circuit.